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(54) Title: LATENCY HIDING OF TRACES USING BLOCK COLORING

(57) **Abstract:** An embodiment of the present invention is a technique to hide latency in program traces. Blocks of instructions between start and end of a critical section are associated with color information. The blocks correspond to a program trace and containing a wait instruction. The wait instruction is sunk down the blocks globally to the end of the critical section using the color information and a dependence constraint on the wait instruction.